

**National Park Service** **PODCAST**

Headwaters

[Glacier](https://www.nps.gov/glac/) (<https://www.nps.gov/glac/>), [Interpretation, Education, and Volunteers Directorate](https://www.nps.gov/315/) (<https://www.nps.gov/315/>), [Natural Resource Stewardship and Science Directorate](https://www.nps.gov/247/) (<https://www.nps.gov/247/>), [Climate Change Response Program](https://www.nps.gov/235/) (<https://www.nps.gov/235/>)

Headwaters is a show about how Glacier National Park is connected to everything else.

EPISODES

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Season 5

Episode 1

Climate Interpretation with Diane Sine

A conversation with longtime interpretive ranger Diane Sine about a lifetime of watching change in Glacier. This episode was recorded in May of 2023.

Glacier Conservancy: <https://glacier.org/headwaters> Frank Waln music: <https://www.instagram.com/frankwaln/> Stella Nall art: <https://www.instagram.com/stella.nall/>

Overview of the park's glaciers: <https://www.nps.gov/glac/learn/nature/glaciersoverview.htm>

TAGS: [GLAC](#), [HEADWATERS](#), [PODCAST](#), [CLIMATE CHANGE](#), [GLACIERS](#), [GLACIERS MELT](#), [ICE](#)

Episode 2

Climate and Community with Mike Durglo, Jr.

A conversation with Mike Durglo, Jr., climate coordinator and head of Historic Preservation for the Confederated Salish and Kootenai Tribes. This episode was recorded in September of 2023.

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CSKT Climate Resiliency: <http://csktclimate.org/>

TAGS: [GLAC](#), [HEADWATERS](#), [PODCAST](#), [CLIMATE CHANGE](#), [CLIMATE RESILIENCY](#), [TRADITIONAL ECOLOGICAL KNOWLEDGE](#), [CONFEDERATED SALISH AND KOOTENAI TRIBES](#)

Episode 3

Climate and the Cryosphere with Dr. Caitlyn Florentine

A conversation with Dr. Caitlyn Florentine, research physical scientist with the US Geological Survey, who studies snow and ice in Glacier. This episode was recorded in May 2023.

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Episode 4

Climate and the Future of Forests with Dr. Tyler Hoecker

A conversation with Dr. Tyler Hoecker, who studies forest ecology and the changing dynamics of fire as the climate warms. This episode was recorded in August of 2023.

Glacier Conservancy: <https://glacier.org/headwaters> Frank Waln music: <https://www.instagram.com/frankwaln/> Stella Nall art: <https://www.instagram.com/stella.nall/>

Climate change in Glacier: <https://www.nps.gov/glac/learn/nature/climate-change.htm> Dr. Hoecker's research: <https://www.sciencedirect.com/science/article/abs/pii/S0378112721009051>

TAGS: [GLAC](#), [HEADWATERS](#), [PODCAST](#), [FIRE](#), [WILDFIRE](#), [RESIST-ACCEPT-DIRECT](#), [CLIMATE CHANGE](#), [FOREST ECOLOGY](#)

Episode 5

Climate and History with Elizabeth Villano

A conversation with Elizabeth Villano, from the NPS Climate Change Response Program, about telling climate stories and finding hope. This episode was recorded in June of 2023.

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Climate change in Glacier: <https://www.nps.gov/glac/learn/nature/climate-change.htm> Climate change across the NPS: <https://www.nps.gov/subjects/climatechange/index.htm>

TAGS: [GLAC](#), [HEADWATERS](#), [PODCAST](#), [CLIMATE CHANGE](#), [HISTORY](#), [STORYTELLING](#), [INTERPETATION](#), [CLIMATE CHANGE COMMUNICATION](#), [CLIMATE CHANGE EDUCATION](#), [CLIMATE CHANGE RESPONSE PROGRAM](#)

Episode 6

Climate and Health with Dr. Danielle Buttke

A conversation with Dr. Danielle Buttke, who works for the National Park Service at the intersection of human, wildlife, and environmental health. This episode was recorded in September 2023.

Glacier Conservancy: <https://glacier.org/headwaters> Frank Waln music: <https://www.instagram.com/frankwaln/> Stella Nall art:

<https://www.instagram.com/stella.nall/>

Climate change in Glacier: <https://www.nps.gov/glac/learn/nature/climate-change.htm> Public health in National Parks: <https://www.nps.gov/orgs/1735/index.ht>

TAGS: [GLAC](#), [HEADWATERS](#), [PODCAST](#), [HEALTH](#), [HUMAN HEALTH](#), [WILDLIFE](#), [WILDLIFE HEALTH](#), [PUBLIC HEALTH](#), [CLIMATE CHANGE](#)

Episode 7

Climate and Living with Fire with Jennifer Gibson

A conversation with Jennifer Gibson, who coordinates post-wildfire response for the National Park Service. This episode was recorded in May 2024.

Headwaters is created by Daniel Lombardi, Gaby Eseverri, Peri Sasnett, and Madeline Vinh.

Glacier Conservancy: glacier.org/headwaters Frank Waln music: www.instagram.com/frankwaln/ Stella Nall art: www.instagram.com/stella.nall/

Climate change in Glacier: www.nps.gov/glac/learn/nature/climate-change.htm Whiskeytown National Recreation Area: www.nps.gov/whis

TAGS: [GLACIER NATIONAL PARK](#), [GLACIER NATIONAL PARK CONSERVANCY](#), [CLIMATE CHANGE](#), [WHISKEYTOWN NATIONAL RECREATION AREA](#), [CARR FIRE](#), [WILDFIRE](#), [FIRE RECOVERY](#), [MENTAL HEALTH](#), [NATIONAL PARK SERVICE](#), [DOI](#), [CALIFORNIA](#), [MONTANA](#)

Episode 8

Climate and Electrical Solutions with Katie Pfennigs

A conversation with Katie Pfennigs, who is the Director of External Affairs and Energy Services at the Flathead Electric Cooperative. This episode was recorded in May 2024.

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TAGS: [GLACIER](#), [GLACIER NATIONAL PARK](#), [GLACIER NATIONAL PARK CONSERVANCY](#), [CLIMATE CHANGE](#), [NATIONAL PARK SERVICE](#), [DOI](#), [MONTANA](#), [ELECTRICITY](#), [HYDRO ELECTRIC POWER](#), [CLEAN ENERGY](#), [ENERGY](#), [CLIMATE CHANGE ADAPTATION](#)

Season 4

Episode 1

A Growly Bear and the Invention of Bear Spray

Bear spray saves lives, but where does it come from? We follow a Glacier grizzly to learn the story.

Learn how to use bear spray, in the St. Mary episode of Season One: <https://podcasts.apple.com/us/podcast/confluence-st-mary/id1542669779?i=1000501502018>

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TAGS: [GLAC](#), [BEARS](#), [BEAR SPRAY](#), [PODCAST](#), [HEADWATERS](#)

Episode 2

Can Ranger Traditions Survive into the Future?

We meet a ranger who lives in one of the wildest corners of Glacier—a place where age-old tools and skills are still practiced daily. But do traditional skills, or this way of life, still have a place in a rapidly-evolving world?

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TAGS: [GLAC](#), [WILDERNESS](#), [STOCK](#), [PACKING](#), [HEADWATERS](#), [PODCAST](#), [BACKCOUNTRY RANGER](#)

Episode 3

Living Seasonally: Advice from a Lifelong Ranger

We sit down with Chuck Cameron, a lifelong Glacier Ranger, to learn about his incredible and unusual career.

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TAGS: [GLAC](#), [BACKCOUNTRY RANGER](#), [WILDERNESS RANGER](#), [CAREER](#), [SEASONAL](#), [SEARCH AND RESCUE](#), [HEADWATERS](#), [PODCAST](#)

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